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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/670,039	09/24/2003	Robert D. Burrows	25339A	5052
22889	7590	12/01/2005	EXAMINER DIXON, MERRICK L	
OWENS CORNING 2790 COLUMBUS ROAD GRANVILLE, OH 43023			ART UNIT 1774	PAPER NUMBER

DATE MAILED: 12/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/670,039

Applicant(s)

BURROWS

Examiner

Merrick Dixon

Art Unit

1774

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 September 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5;7-10 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5;7-10 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.



MERRICK DIXON

PRIMARY EXAMINER

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1,2 and 4,5,7-10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaji et al(US 4923547) alone.

The cited reference teaches the claimed invention including a conformable veil comprising a plurality of fibers having similarly claimed lengths and a polystyrene based binder applied thereto-col 2, lines 59-66; col 3, lines 1-6; col 8, lines 55-64. it is submitted the claimed average fiber lengths would have been obvious in the cited reference as same is directed to optimum value result effective variable. It is has been held that discovering an optimum value of a result effective variable , as lengths , involves only routine skill in the art. In re Boesch, 617 F. 2d 272, 205 USPQ 215 (CCPA 1980). Concerning claim 2, the reference teaches similar fiber lengths in col 2, lines 61; col 5, lines 64-66; col 6, lines 12-14. Concerning claim 4, the reference teaches glass fibers in col 2, lines 54. Concerning claim 5, the reference teaches polystyrene binder in col 3, line 4. Concerning claim 6, the reference teaches the polyesterene emulsion, Vinamul 7700 in col 3, lines 1-4 (It is noted polystyrene emulsion is Vinamul 7700- see accompanying US 3963820 reference; col 9, lines 16-18). Concerning claim 7, the reference teaches claime diameter in col 5, lines 65-67. the binder is also dissolved in a resin. Concerning claims 8-10, the reference would indeed possess the claimed elongation when compression molded as such properties would be inherent.

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Claim 3 is rejected under 35 U.S.C. 103(a) as being unpatentable over Yamaji et al(US 4923547) as applied to claims 1,2 and 4,5,7-10 above, and further in view of Kuwazuru et al(US 4579774).

The reference to Kuwazuru et al teaches the aspect of including binder material in fiber impregnated product as taught by Yamaji et al- col 4, lines 16-39; col 6, lines 44-55. it would have been obvious to one of ordinary skill in the art at the time the invention is made to combine the teaching of Kuwazuru et al and provide specific amount binder material for the impregnated product taught by Yamaji et al , in the absence of unexpected results and motivated by the desire to impart desired characteristics thereto – col 4, lines 5-15. the references are combineable for they relate to impregnated fibrous material.

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Applicants who wish to send a facsimile (draft copies) for the examiner's immediate review can do so by using the Examiner's personal fax number at 571-273-1520. The faxing of all papers must conform with the notice published in the Official Gazette, 1096 O.G. 30 (November 15, 1989). **NOTE: All facsimiles sent to the examiner's personal fax number should be in draft-forms and will be treated as informal.**

Same facsimiles will not be entered in the related applications unless otherwise agreed and noted by the examiner.

The fax number for all other fascimile is 571-273-8300.

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Information about the **status of an application** may be obtained from the Patent Information Retrieval system (**Private PAIR**).

Status inquiries for **published applications** may be retrieved from either **Private PAIR** or **Public PAIR**. Questions about the PAIR system should be directed to the Electronic Business Center at **866-217-9197**.

Any questions concerning the instant communication should be directed to Examiner Dixon, at 571-272-1520, Mondays, Wednesdays and Thursdays, between 12 noon and 8 PM, eastern time .

A handwritten signature in black ink, appearing to read 'Merrick Dixon', with a stylized, flowing script.

Merrick Dixon

Primary Examiner

Group 1700